

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

(37 CFR 1.98(b))

DEC 06 2006

APPLICANT:  
Hongyang ZhangFILING DATE  
December 10, 1996GROUP ART UNIT  
1109

DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILIN IF APPE
		5	1	4	7	8	2	6	9/15/92	Liu et al.	437	233	
		5	2	7	5	8	5	1	1/4/94	Fonash et al.	427	578	
	AA	5	4	0	3	7	7	2	4/4/95	Zhang et al.	437	101	
	AB	5	4	2	6	0	6	4	6/20/95	Zhang et al.	437	40	
	AC	5	4	8	1	1	2	1	1/2/96	Zhang et al.	257	64	
	AD	5	4	8	8	0	0	0	1/30/96	Zhang et al.	437	21	
	AE	5	4	9	2	8	4	3	2/20/96	Adachi et al.	437	21	
	AF	5	5	0	1	9	8	9	3/26/96	Takayama et al.	437	21	
	AG	5	5	0	8	5	3	3	4/16/96	Takemura	257	64	
	AH	5	5	2	9	9	3	7	6/25/96	Zhang et al.	437	10	
	AI	5	5	3	4	7	1	6	7/9/96	Takemura	257	72	
	AJ	5	5	4	3	3	5	2	8/6/96	Ohtani et al.	437	101	
	AK	5	5	6	3	4	2	6	10/8/96	Zhang et al.	257	66	
	AL	5	5	6	9	6	1	0	10/29/96	Zhang et al.	437	21	
	AM	5	5	6	9	9	3	6	10/29/96	Zhang et al.	257	66	
	AN	5	5	8	0	7	9	2	12/3/96	Zhang et al.	437	10	
	AO	5	5	8	5	2	9	1	12/17/96	Ohtani et al.	437	40	
	AP	5	5	8	9	6	9	4	12/31/96	Takayama et al.	257	67	
	AQ	5	5	9	5	9	2	3	1/21/97	Zhang et al.	437	41	
	AR	5	5	9	5	9	4	4	1/21/97	Zhang et al.	437	41	
	AS	5	6	0	4	3	6	0	2/18/97	Zhang et al.	257	72	
	AT	5	6	0	5	8	4	6	2/25/97	Ohtani et al.	437	21	
	AU	5	6	0	6	1	7	9	2/25/97	Yamazaki et al.	257	59	
	AV	5	6	0	8	2	3	2	3/4/97	Yamazaki et al.	257	66	
	AW	5	6	1	2	2	5	0	3/18/97	Ohtani et al.	437	101	
	AX	5	6	1	4	4	2	6	3/25/97	Funada et al.	437	40	
	AY	5	6	1	4	7	3	3	3/35/97	Zhang et al.	257	66	
	AZ	5	6	1	6	5	0	6	4/1/97	Takemura	438	150	
		5	6	2	0	9	1	0	4/15/97	Teramoto	438	151	
	BA	5	6	2	1	2	2	4	4/15/97	Yamazaki et al.	257	66	
	BB	5	6	2	4	8	5	1	4/29/97	Takayama et al.	438	166	
	BC	5	6	3	7	5	1	5	6/10/97	Takemura	438	162	
	BD	5	6	3	9	6	9	8	6/17/97	Yamazaki et al.	437	228	
	BE	5	6	4	3	8	2	6	7/1/97	Ohtani et al.	437	88	

SUBSTITUTE FORM PTO-1449  
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
07977/097001

SERIAL NO.  
08/763,225

INFORMATION DISCLOSURE  
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(Use several sheets if necessary)

(37 CFR 1.98(b))

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APPLICANT:  
Hongyong Zhang

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BF	5 6 4 6 4 2 4	7/8/97	Zhang et al.	257	66	
BG	5 6 5 4 2 0 3	8/5/97	Ohtani et al.	438	97	
BH	5 6 5 6 8 2 5	8/12/97	Kusumoto et al.	257	66	
BI	5 6 6 3 0 7 7	9/2/97	Adachi et al.	438	151	
BJ	5 6 7 7 5 4 9	10/14/97	Takayama, et al.	257	66	
BK	5 6 9 6 3 8 6	12/9/97	Yamazaki	257	57	
BL	5 6 9 6 3 8 8	12/9/97	Funada et al.	257	64	
BM	5 7 0 0 3 3 3	12/23/97	Yamazaki et al.	136	258	
BN	5 7 0 5 8 2 9	1/6/98	Miyayaga et al.	257	66	
BO	5 7 1 2 1 9 1	1/27/98	Nakajima et al.	437	174	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

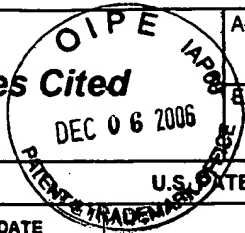
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Notice of References Cited

Application No.  
09/304,975

Applicant(s)  
Zhang

Examiner  
Fetsum Abraham

Group Art Unit  
2811

Page 1 of 1

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,942,768	8/24/99	Zhang	257	66
B					
C					
D					
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
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S						
T						

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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Zhang

Examiner  
Fetsum Abraham

Group Art Unit  
2811

Page 1 of 1

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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,892,260	4/6/99	Okumura et al	257	351
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## **FOREIGN PATENT DOCUMENTS**

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## **NON-PATENT DOCUMENTS**

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

DATE

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977/097002/US3176D1	Application No. 09/304,975
<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)		Applicant Hongyong Zhang	
		Filing Date May 3, 1999	Group Art Unit 2811

(37 CFR §1.98(b))

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,696,003	12/9/97	Makita, et al.			
	AB	5,821,562	10/13/98	Makita, et al.			
	AC						
	AD						
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	AG						
	AH						
	AI						
	AJ						
	AK						

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	7-297125	11/10/95	Japan			Abstract only	
	AM							
	AN							
	AO							
	AP							

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
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	AT	

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
07977/097002/US3176D1Application No.  
09/304,975**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

DEC 06 2006

Applicant  
Hongyong ZhangFiling Date  
May 3, 1999Group Art Unit  
2811**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
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	AC						
	AD						
	AE						
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	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	64-25555	1/27/89	Japan			Abstract only	
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

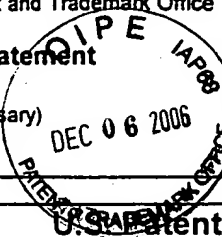
Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977/097002/US3176D1	Application No. 09/304,975
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant <b>Hongyong Zhang</b>	
		Filing Date May 3, 1999	Group Art Unit 2811



U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
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	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	61-048894	3/10/86	Japan				X
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
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		Filing Date May 3, 1999	Group Art Unit 2811

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,996,523	2/26/91	Bell, et al.			
	AB	5,550,066	8/27/96	Tang, et al.			
	AC	5,640,067	6/17/97	Yamauchi, et al.			
	AD	5,684,365	11/4/97	Tang, et al.			
	AE	5,786,796	7/28/98	Takayama, et al.			
	AF	5,821,560	10/13/98	Arai et al.			
	AG	5,828,429	10/27/98	Takemura			
	AH	6,023,308	2/8/00	Takemura			
	AI						
	AJ						
	AK						

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	EP 0 717 445	6/19/96	Tang, et al.				
	AM							
	AN							
	AO							
	AP							

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